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# Bulletin of Loyola University



## COLLEGE OF PHARMACY

CATALOGUE 1926-1927

ANNOUNCEMENTS 1927-1928

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LOYOLA UNIVERSITY

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**A. M. D. G.**

**LOYOLA UNIVERSITY**

**PROSPECTUS**

**OF THE**

**NEW ORLEANS**

**COLLEGE OF PHARMACY**

TWENTY-SEVENTH SESSION

1927-1928



6363 ST. CHARLES AVENUE  
NEW ORLEANS, LA.

# LOYOLA UNIVERSITY

## COLLEGE OF PHARMACY

### CALENDAR

1927

September 9-17.....	Entrance examinations. Examinations for conditioned students. Registration.
September 19.....	Lectures begin.
November 1.....	Holiday—All Saints.
November 24.....	Thanksgiving vacation.
November 28.....	Classes resumed.
December 8.....	Holiday—Immaculate Conception. B. V. M.
December 23.....	Christmas vacation.

1928

January 3.....	Classes resumed.
February 20-21.....	Mardi Gras holidays.
April 5.....	Easter vacation
April 9.....	Classes resumed
May 17.....	Holiday—Ascension Thursday.
June 6.....	Commencement.

# LOYOLA UNIVERSITY

## COLLEGE OF PHARMACY

### BOARD OF DIRECTORS

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Special Lecturer on Serums and Biological Products

P. R. YOUNGBLOOD, CAPT. AMERICAN NATIONAL RED CROSS ASSN.,  
Instructor in First Aid

**GENERAL STATEMENT****HISTORY**

The College of Pharmacy was originally the New Orleans College of Pharmacy and was incorporated under that name May 14, 1900.

In 1913 it became affiliated with Loyola University.

In May 1919 the New Orleans College of Pharmacy was taken over by Loyola University, with all its rights and privileges.

**RATING**

This College holds membership in the American Association of Colleges of Pharmacy, the object of which is to promote the interests of pharmaceutical education. All institutions holding membership in this Association must maintain certain minimum requirements for admission and graduation. Through the influence of this Association higher standards of education have been steadily adopted and the fact that several states by law and State Board ruling recognize its standards is evidence of its influence.

The College is also given full recognition by the Regents of the University of the State of New York.

**LOCATION**

The College of Pharmacy is situated on the University Campus at 6363 St. Charles Avenue opposite the picturesque Audubon Park and in the heart of the residence section.

**BUILDINGS AND EQUIPMENT**

The College occupies commodious quarters in the Bobet Hall on the University Grounds, the whole fourth floor being set aside for this purpose. There are two Chemical, two Pharmaceutical, and two Research Laboratories each of which is equipped with the latest appliances and apparatus for doing high-grade work. Each branch of the Department of Pharmacy has its own lecture room; all lecture rooms and laboratories are furnished with steam heat and electric light and have been carefully arranged to afford the maximum of comfort and convenience to the Faculty and Student Body.

### PURPOSE OF THE COLLEGE

The purpose of the College of Pharmacy is to provide instruction for students who desire to acquire the special training necessary for the successful practice of Pharmacy. The importance both to the pharmacist and the public of such training is now fully recognized. For on the one hand, the dispenser of medicines is held to strict account for the strength and purity of his preparations and on the other the old-time apprenticeship in a drug store has long ceased to be adequate and proper education for prospective pharmacists. However valuable the experience gained in a drug store alone, the necessary education can not be found there. Hence the necessity of a thorough and systematic course in pharmacy under the guidance of experienced teachers and with the aid of those facilities for instruction which are afforded by a well equipped college.

### ADVANTAGES OF THE COURSE

An excellent inducement to young men and women to enter the profession of pharmacy are the lucrative opportunities offered the thoroughly trained and graduate pharmacist. Throughout the South the demand is strong and urgent and greater than the supply. Not only is this demand felt in the profession itself but in the various industries that require the technical training in Pharmacy, Materia Medica, Chemistry, Microscopy, and Bacteriology which is furnished by a three year course in a standard College of Pharmacy. This includes positions as chemists in laboratories for the manufacture of chemical and pharmaceutical products, chemists in the various industrial plants, food and drug experts in government laboratories, bacteriologists in health laboratories, workers in experiment stations, etc., etc.

It is, moreover, a matter of common observation in medical colleges that students who come to them after having completed the course in a College of Pharmacy derive more benefit from medical instruction, win high honors in medical classes, and prove the most successful practitioners after graduation in medicine. The advantage of such a superior preparatory course abundantly compensates for the outlay of time and money it requires and will be

easily perceived by all who properly appreciate the duties and responsibilities that belong to the practice of medicine.

In Louisiana, as in all other States, the law requires the pharmacist to be registered; in order to become registered, he must pass an examination at the hands of the State Board of Pharmaceutical Examiners; this he can not do unless he is a graduate from a first class practical school of Pharmacy. The drug store training of to-day is wholly inadequate to prepare prospective pharmacists for State Board Examinations. These include Chemistry, Pharmacy, Materia Medica, Pharmaceutical Arithmetic, and Practical Work, which can not be learned properly in a drug store; nor are drug clerks given any time to master them. Without due system, good teachers, and above all, abundant laboratory practice, the task of becoming sufficiently conversant with the subject matter is hopeless. Hence it is, that in Louisiana and in a growing number of other States, only graduates from a College of Pharmacy are allowed to take the State Board Examination.

The College of Pharmacy of Loyola University has sent out into the field something over three hundred and fifty graduates, and they are now scattered in very part of the country. Our best asset is the record made by these former students. They seldom fail to pass any State Board Examination and they are today filling some of the responsible positions in the drug world, while many are in business on their own account.

### **EMPLOYMENT**

The course of lectures has been so arranged as to permit those who desire it to devote a portion of their time to employment.

The Dean will keep a register of students seeking such employment and will give every assistance possible in procuring it.

Applicants desiring to be placed in positions are requested to write to the Dean full particulars concerning their age, experience, previous employment and references.

Pharmacists desiring help are requested to communicate with the Dean.

Those desiring positions must bear in mind that, as most of the time is spent at college, they cannot expect to receive much

compensation, and that the time they are employed in the stores will be occupied with their employer's duties, so that there is little time left for study. We will endeavor, however, to place all desiring positions. We make no promise to secure positions for all who apply, and past experience has demonstrated that the student can better succeed by coming here and making application in person.

### **LIBRARY**

Besides the general University Library and the Students' Library, there is a special Pharmaceutical Library in the Pharmacy department for the use of the Pharmacy Students. It is the desire of the Faculty that the students accustom themselves to wide reading and research beyond their text books, so that besides their training in Pharmacy they may acquire a broad general culture without which no one can be thought an educated man.

### **MUSEUM**

Pharmacists of the State and vicinity are requested to send us curios, such as old books, apparatus or other materials which will be of pharmaceutical interest.

All such contributions will be prominently displayed and labeled with the names of the donors.

### **CORRESPONDENCE**

Letters of inquiry will receive careful and prompt attention.

#### **Address:**

**New Orleans College of Pharmacy,**

**LOYOLA UNIVERSITY,**

**6363 St. Charles Ave.,**

**New Orleans, La.**

## SCHOLASTIC REGULATIONS

### REQUIREMENTS FOR ADMISSION AND MATRICULATION

Applicants for admission to the first-year class as candidates for a degree must be at least seventeen years of age, must be of good moral character, and must present *certificates of graduation from a recognized high school offering a four years' course, or the equivalent as shown by properly certified credentials.* At least fifteen high school units are required, of which three units must be in English, two units in mathematics, one unit in science. The remaining nine units may be selected from other subjects ordinarily taught in high schools.

Blank forms for these certificates will be supplied by the University upon application.

Matriculation books will open for the coming session in September. Students outside of the city should send to the Registrar their certificates or other matter showing the extent of their preliminary education. This will avoid delay, and will give us time to pass upon the student's fitness to enter our Freshman Class.

All Students are expected to be matriculated before the opening of the session, thus allowing ample time to be assigned to class and provided with laboratory outfit.

Students should be present on the opening day of classes and will not be admitted under any circumstances after the first ten days.

### ADMISSION OF WOMEN

It is becoming daily more recognized that women possess peculiar fitness for the study and practice of Pharmacy. Accordingly the number of those engaged in the profession is constantly increasing. Hence, women are admitted to all classes upon equal terms with men.

### THE SENIOR CLASS AND ADVANCED STANDING

Candidates for admission to the Senior Class of 1928 must have attended and completed the Freshman and Junior course of instruction in this College, or give evidence of having attended a

similar course at some reputable College of Pharmacy, and of having passed a satisfactory examination in the subject-matter of the Junior year of this College; provided, the work done is fully equivalent to such subjects included in the first two years' work of this College.

### **REQUIREMENTS FOR GRADUATION**

Candidates for graduation must have attended three full years of instruction in Pharmacy, the last of which must have been spent at this College; and they must have attained the required percentage in the periodic or final examinations.

Unless excused by the Dean for sickness or other cause, all students must have attended during eighty-five per cent of the hours of instruction *in each Department* throughout the term, with a general attendance of ninety per cent. Failing to comply with this condition, the student will forfeit the privilege of taking examination.

All candidates must be present at the Commencement Exercises and receive their degrees in person. No excuse outside of serious illness, attested by a reputable physician, will be accepted. The University will not confer degrees in absentia.

### **DEGREES**

The degree conferred by this institution on its graduates is that of Graduate in Pharmacy (Ph. G.)

### **COLLEGE DISCIPLINE**

The educational system of the University Stresses the development of Christian character and gentlemanly behavior at all times and in all places. Honorable conduct and respectful demeanor towards professors, instructors, and assistants, as well as towards one another, are required of all students.

The College reserves the right to terminate its connection with any student at any time, whenever such action may seem advisable, on the grounds of immoral or disorderly conduct, or failure to conform to the rules of the College. The fees of such a student will not be returned.

**PRIZES****NATIONAL DRUG CLERK ASSOCIATION PRIZE**

An annual prize, consisting of life membership in the National Association of Drug Clerks, valued at twenty dollars, is awarded the Senior student who attains the highest grade in Pharmacy, the Senior who attains the highest grade in Chemistry, and the Senior who attains the highest grade in Materia Medica.

**THE I. L. LYONS & CO. MEDAL**

A gold medal is offered by the I. L. Lyons & Co. to the Senior student who makes the highest general average in all the subjects covered in the Senior year.

**FEES**

	FRESHMAN	JUNIOR	SENIOR
Tuition payable per semester .....	\$100.00	\$100.00	\$100.00
Matriculation .....	5.00	-----	-----
Registration .....	5.00	5.00	5.00
Chemistry Lab. ....	20.00	20.00	20.00
Pharmacy Lab. ....	10.00	10.00	10.00
Botany Lab. ....	1.00	-----	-----
Pharmacognosy Lab. ....		3.00	5.00
Breakage Deposit .....	15.00	15.00	17.50
Student Council .....	8.00	8.00	8.00
Athletic Assoc. ....	10.00	10.00	10.00
Graduation .....		-----	25.00
First Aid .....	2.00	-----	-----
<b>TOTAL .....</b>	<b>176.00</b>	<b>171.00</b>	<b>200.50</b>

The unconsumed balance of the Breakage Deposit is returned to the student at the close of each year.

The First Aid Fee is to be paid to the Instructor.

No fees except Laboratory Breakage Deposit will be returned to any student leaving after matriculation.

All fees but tuition must be paid in advance at the beginning of the session. Tuition is to be paid either in full at the beginning of the session or in two installments, one half at the opening of each semester.

No student will be admitted to examination or graduation until all fees are paid.

The Graduation Fee is payable only at graduation and is returnable in the event of failure or non-graduation.

### **SYSTEM OF INSTRUCTION AND DESCRIPTION OF COURSES**

The course of instruction followed adheres as closely as possible to the PHARMACEUTICAL SYLLABUS, recommended by the National Committee representing the Boards and Schools of Pharmacy of the United States.

The instruction in this institution is divided into a Freshman, Junior and Senior course of 32 weeks each, leading to the degree of Graduate in Pharmacy (Ph. G.).

Throughout the session examinations will be held periodically, and if the students make the required standing they will be exempted from the final examinations. Those passing the periodical or final examinations will be permitted to enter the next higher class.

The Freshman course embraces Inorganic Chemistry, Theoretical Pharmacy and Pharmaceutical Manipulations; Physics, as applied to Pharmacy and Chemistry; Botany, Physiology, Arithmetic, English and First Aid.

The Junior course is a continuation of that of the Freshman year. It embraces Inorganic, Organic and Analytical Chemistry, Theoretical and Practical Pharmacy, Materia Medica, Pharmacognosy, Toxicology, Dispensing, and Biologics.

The Senior course is a continuation of that of Junior year, taking up the more difficult and advanced work required of the pharmacist. It embraces Quantitative and Physiological Chemistry, Practical Pharmacy, Materia Medica, Pharmacology, Pharmacognosy, Bacteriology, Toxicology, Dispensing, and Pharmaceutical Jurisprudence.

## BACTERIOLOGY

**1. General Bacteriology.** The course comprises the study of the morphological and biological characteristics of the pathogenic and non-pathogenic bacteria, with particular stress laid on the bacterial flora of the mouth, such as the Streptococci, Spirillum Vincenti and Bacillus Fusiformis of Vincent's Angina and the organisms associated with Pyorrhea Alveolaris.

Actual specimens of infectious cases met with in the Infirmary are referred to the laboratory and are examined by the students.

Methods of preparing, cultivating and identifying bacteria are carefully studied, various methods of sterilization are discussed and demonstrated and the preparation and standardization of vaccines and antitoxins receive careful consideration. Immunity and its various types are studied together with the technique of serum reactions.

Diseases caused by filtrable viruses and the exanthemata are thoroughly discussed. The bacterial examination of Air, Soil, Water, and Milk is taken up as it bears on the question of preventive medicine.

The common forms of protozoal diseases are considered. The course is designed to give to the student a working knowledge of the subject and to impress upon him the relation of mouth conditions to systemic disease so that he is enabled to consult intelligently with the physician and thus be a more important figure in health service.

**Third Year, first semester:-** Lectures, 3 hours per week.

Laboratory, 4 hours per week.

PROF. MERILH.

## BIOLOGY

**1. General Botany.** This course is so given as to meet the needs and requirements of the profession of Pharmacy.

In order to understand the description of the vegetable Drugs in the United States Pharmacopoeia, the National Formulary, Dispensatories, and current literature, as well as other valuable

works on medicinal plants, the knowledge of Botany is not only desirable, but imperative for the well informed Pharmacist.

The lectures cover enough of the life-history of cryptogamic plants to show their relationship in structure and life history to the higher forms. The function, structure, and morphological character of the various organs and members are explained and some of the processes demonstrated by means of physiological apparatus.

**First Year:** Lectures, Recitations and Laboratory, 2 hours per week.

PROF. WEILBAECHER.

**2. Zoology.** This course is planned with a view to give the student a fundamental knowledge of the structure, functions, and relationships of animal organisms, with special reference to Pharmacy. It includes a thorough and systematic treatment of animal organisms through a graded series of invertebrate and vertebrate specimens, stressing the relationship of animal life to Pharmacy.

**Third Year, second semester:** Lectures, 3 hours per week.

Laboratory, 4 hours per week.

PROFESSOR MERILH.

## CHEMISTRY

**1. General Inorganic Chemistry.** This course consists of lectures on the Elements and practical Laboratory Work supplementing the Lectures.

The lectures include the fundamental principles of Chemistry, definitions of Elements, Atoms, Molecules, Acids, Bases, Salts, explanation of the Ionic Theory, Chemical and Physical Laws. Every student who pays proper attention will obtain a solid foundation of knowledge which will enable him to understand the more advanced work of Chemistry.

The Element studies include: Oxygen, Hydrogen, Nitrogen, Chlorine, Bromine, Iodine, Fluorine, Sulphur, Phosphorus, Carbon, Silicon, Boron, Arsenic, Antimony, Potassium, Sodium, Lithium, Barium, Strontium, Calcium, Magnesium, Aluminum, Zinc, Cadmium, Tin, Bismuth, Gold, Silver, and Platinum.

The study of each Element is followed by a consideration of the Compounds of the Element with others previously studied; in this way are discussed Water, Hydrogen Dioxide, Ammonia, Oxides of Nitrogen, Hydrochloric, Hydrobromic and Hydriodic Acids, Sulphurous and Sulphuric Acids, the Acids of Phosphorus and many other Compounds.

The student thus lays the foundation of a practical knowledge of Chemistry, which, when increased further by the work of the second year, will prepare him for active work with pharmaceutical processes based on chemical principles.

Several Elements and a large number of Compounds are prepared in the laboratory and many experiments illustrating the properties of both Elements and Compounds are performed. This laboratory practice is of special importance, since it gives the student the opportunity to perform a large number of chemical experiments having a direct bearing on the subject matter of the lectures. By these investigations of chemical phenomena the student has an opportunity to develop self-reliance and acquire accurate habits of observation. He should also become expert in chemical manipulation.

The laboratory work is intended to teach the student:

(1) To observe and distinguish essential from non-essential phenomena; (2) To express in writing the results of observation; and (3) To draw proper conclusions as to what facts are taught by the experiments.

**First Year:** Lectures and Recitations, 3 hours per week.

Laboratory, 4 hours per week.

PROFS. FRANCIS, ALVARADO and ASSISTANTS.

**2. Qualitative Analysis.** This course, which is supplementary to the work of the first year, is chiefly a laboratory course.

The Action of the Group Reagents upon Solutions of all the common base-forming Elements is determined by experiment. The Bases are then classified into groups. The method of separation of the Bases of each group is studied in connection with Solutions of known composition and, finally, with unknown Solutions. Full record is required for each step, taken during the operation: the Reagent used, the result obtained, and equations showing each

chemical change. Acid Radicals are studied in the same systematic manner. The student is required to make a stated number of correct analyses before he is given credit for the Course.

This course not only fits the student for practical analytical work, but rules and principles are developed which greatly aid in Manufacturing Chemistry.

**Second Year, first semester:** Lectures and Recitations 3 hours per week.

PROF. ALVARADO.

Laboratory, 4 hours per week.

ASSISTANTS.

**3. Quantitative Analysis.** A course in the principles of quantitative analysis, consisting of practice in the gravimetric and volumetric analysis of substances of known percentage composition, and later, in the analysis of substances of unknown composition. This work is regarded as a preliminary training for the more advanced work, consequently great importance is laid upon accuracy, care, and integrity necessary for successful quantitative work.

**Third Year:** Lectures 2 hours per week.

Laboratory 6 hours per week.

PROF. ALVARADO AND ASSISTANTS.

**4. Milk and Urine Analysis.** In addition to the general chemical laboratory work as outlined, a Course in Milk and Urine Analysis will be given.

This Course comprises the determination of Reaction, Specific Gravity, Fat, added Water, Preservatives, etc. Urine Analysis consists of all the essentials necessary to a complete urine analysis, both qualitative and quantitative, and comprises determination of Specific Gravity, Reaction, Sugar, Albumen, Acetone, Bile, Phosphates, Etc.

**Third Year:** Lectures and Laboratory in connection with course 3.

**5. Organic Chemistry.** This course includes a study of the source of Organic Compounds, their properties, purification, proximate and ultimate analysis, determination of melting and boiling points, homology, isomerism, destructive distillation, combustion,

decay, fermentation, determination of formula from the results of analysis, structural, graphic and molecular formulae, etc.

The Organic Substances are classified and studied under the following heads: Hydrocarbons, Halogen derivatives of Hydrocarbons, Alcohols, Aldehydes, Acids, Ethers,—simple and compound,—Ketones, Fats, Soaps, Carbohydrates, Glucosides, Cyano-gen Compounds, Mercaptans, Benzene and Benzene derivatives, as Mono-, Di-, and Trihydroxy Compounds, the Aldehydes, Acids, Terpenes and their derivatives, Diazo Compounds, Pyridin Bases, animal and vegetable Alkaloids, Complex synthetic Compounds, as Phenacetin, Antipyrene and Acetanilid, Amines, Amides and other organic substances of pharmaceutical interest.

**Second year, second semester:** Lectures 3 hours per week.  
Laboratory, 4 hours per week.

PROF. ALVARADO AND ASSISTANTS.

### ENGLISH

This is a course with a view to the special needs of the students in their future profession. It includes the following topics: The application of the general principles of composition to Narration, Description and Exposition; a special study of essay writing; business and social letters; practice in public speaking; a general outline of the History of English Literature.

**Lectures:** First year, 5 hours per week.  
PROF. O'CONNOR.

### FIRST AID TO THE INJURED

**1. General Course:** This is a practical course conducted under the auspices of the First Aid Service of the New Orleans Chapter of the American National Red Cross Association.

It includes the care and treatment of Hemorrhage, Shock, Suffocation, Wounds, Bruises, Strains, Sprains, Dislocations, Fractures, Sun-stroke, Heat Exhaustion, Freezing and Frost Bite, Burns and Scalds, Poison and their Antidotes, etc., etc.

Attention is given to the proper application of Bandages, Splints for broken bones, Rescue Methods for gas and smoke prostration, and for injury from electric wires and kindred accidents.

On the successful completion of the course certificates are awarded by the A. R. C. of Washington, D. C.

The instruction is given gratis; a small fee is exacted for the Text Book and Material used in the Demonstrations.

**First year:** Lectures, one hour per week, for 15 weeks.

CAPT. YOUNGBLOOD.

### MATERIA MEDICA

**1. General.** This is recognized as the most difficult department of Pharmacy. Every effort will be made to present the subject in the most practical and simple manner possible. The Drugs will be considered from the standpoint of their physiological action as the best method for remembering them. The classification of Drugs according to natural order (or families) will be taken up.

This Course consists of lectures and recitations. Each Drug is taken up individually, and the student not only becomes acquainted with the official definition and common names of the Drug, but also its chief constituents, preparations, therapeutic use and dosage.

During this Course, the student's attention is directed to the Drugs derived from the animal kingdom. Because of the rapidly increasing popularity of substances from this kingdom for use in medication, in addition to the official Drugs of this classification, a number of non-official Drugs is considered.

**Second and Third Year:** Lectures and Recitations, 2 hours per week each year.

PROF. WEILBAECHER.

**2. Special.** During the second year, there is given a series of SPECIAL LECTURES, with class-room demonstrations, ON SERUMS AND BIOLOGICAL PRODUCTS, their manufacture, use, and preservation.

Lectures, 1 hour per week.

PROF. WILSON.

### MATHEMATICS

**1. Pharmaceutical Arithmetic.** This is arranged to give the necessary skill and practice in solving problems which arise in the every-day life of the Pharmacist, as well as in Chemical Analysis.

The work is arranged in logical order and includes problems of weights and measures, specific gravity, specific volume, conversion and reduction of formulae, percentage problems of every kind, dilution and fortification, alligation, problems involving chemical formulae and reactions, and numerous miscellaneous problems. On the whole this is one of the most helpful and needful courses given.

**Lectures, First Year:** 3 hours per week.

PROF. GRASSER.

### PHARMACEUTICAL JURISPRUDENCE

**1. Pharmaceutical Jurisprudence.** This course is designed to familiarise the student with the general provisions of State and Federal laws governing the practice of Pharmacy. Besides the study of local regulations and ordinances, special attention is given to the prohibition, anti-narcotic, poison, pure food and drug laws both State and Federal.

**Third Year:** Lectures 2 hours per week.

PROF. MURPHY.

### PHARMACOGNOSY

**1. General.** During the second year, Pharmacognosy is taken up from a rather general standpoint. A large part of the work is microscopical, beginning with the cell, its structure, cell inclusions of pharmaceutical importance, and continuing through the types and forms of tissues. The Second Semester is devoted chiefly to the histology of various plant organs and the microscopical structures found in powdered Drugs. Some time is also given to the microscopical examination of the crude Drug in order to acquaint the student with the terms used in crude Drug descriptions.

The Drugs are considered in family groups. These are studied from the standpoint of production, preparation for the market, and preservation.

**Second Year:** Lectures, Recitations and Laboratory, 2 hours per week.

PROF. DOUCET.

**2. Special.** The third year continues the work of the second year and embraces a course in technical microscopy, which includes

methods and technique employed in the examination of drugs, spices and technical products, with special attention to adulteration and its detection. This course should be especially valuable to those who contemplate entering manufacturing pharmaceutical laboratories, or municipal, State, or Federal service as drug inspectors.

**Third Year:** Lectures and Laboratory work, 2 hours per week.  
PROF. DOUCET.

### **PHARMACOLOGY**

**1. Pharmacology.** The work in this subject includes study of the action of the various drugs on the organs of the body.

**Third Year:** Lectures and Laboratory 3 hours per week.  
PROF. WICHSER.

### **PHARMACY**

**1. Theoretical Pharmacy.** The first year course is essentially one dealing with Pharmaceutical Physics, in which the applications of general physical laws to Pharmacy are pointed out and the methods in general use are described. The various operations of manufacturing are delineated and illustrated by models, diagrams, apparatus, etc., and instruction given in the reason for the said operations and the methods employed.

The following outline shows the general character of the Course.  
A consideration of weights and measures; the various systems in use and their relation to each other; the construction, choice and care of a balance; instruments of measure and methods of testing and verifying them; specific gravity and its use; specific volume.

Heat, its nature, sources and properties; methods of regulating and controlling it for various purposes; the construction and uses of steam apparatus, baths, etc.; the various forms of thermometers and their relationship to each other.

Evaporation and distillation, with full demonstration of various methods of conducting the operations; and the choice of apparatus therefor.

Drug grinding and milling; the selection and use of mortars; and the various methods of powdering and sifting different kinds of drugs and chemicals.

Solution, its laws and the phenomena accompanying it; the methods of making and adjusting solutions; and the influence of solutions in compounding and manufacturing.

Crystallization; the properties of crystalline substance; their storage, changeableness and methods of restoration.

Filtration and the methods of clarifying or decolorizing liquids; the use of funnels and filtering agents and the various apparatus for filtration.

Maceration and its applications; the economical methods of conducting it.

Percolation; its history, development, and applications; various forms of Percolators and their choice; Repercolation and fractional Percolation.

A history of the leading Pharmacopoeias of the world and particularly that of the United States—its legal status, character, purpose, and contents.

**First Year:** Lectures and Recitations, 4 hours per week.  
PROF. GRASSER.

Laboratory, 5 hours per week.  
PROF. PREJEAN AND ASSISTANTS.

**2. Practical Pharmacy.** This course follows immediately after the work in Theoretical Pharmacy and is devoted to a study of the simple galenical preparations, including the medicated waters, syrups, spirits, emulsions, powders, pills, etc. The lectures are accompanied by numerous demonstrations.

**First Year:** Lectures and Recitations, 4 hours per week.  
PROF. GRASSER.

Laboratory, 5 hours per week.  
PROF. PREJEAN AND ASSISTANTS.

**3. Advanced Pharmacy.** This is a continuation of the work of the first year and begins with a short review of the subjects embraced in first year. The course embraces a study of the inorganic chemicals and their preparation, such as Sodium, Potassium,

Lithium, Ammonium, Calcium, Strontium, Magnesium, Aluminum, Cadmium, Iron, Manganese, Chromium, Mercury, Antimony, Arsenic, Bismuth, Copper, Lead, Zinc, Gold, Silver, Cobalt, Tin, and Platinum, as well as the organic substances Cellulose, Starches, Gums, Sugar, Coal Tar Products and derivations of the same, Alcohols, Fats, fixed Oils, essential Oils, organic Acids, Glucosides, Alkaloids, neutral principles, and animal products.

This course likewise includes a thorough study of Prescriptions, the various kinds of Incompatibility. Solubility of ingredients, and abundant practice in the reading of difficult prescriptions taken from the actual prescription files of the city Drug Stores.

A careful study is made of the Prescription as regards its purpose, its facts and the proper course of procedure upon receiving a prescription. Extensive practice is given in reading and criticizing prescriptions of every character. Most careful attention is given Incompatibility of every kind and the methods of overcoming same.

**Second Year:** Lectures and Recitations, 4 hours per week.

PROF. GRASSER.

Laboratory, 5 hours per week.

PROF. PREJEAN AND ASSISTANTS.

Dispensing Laboratory, Lectures and Laboratory, 3 hours per week.

PROFS. GRASSER AND PREJEAN.

**4. Advanced Pharmacy.** In the third year the remaining Pharmacopoeial and National Formulary Prescriptions are carefully and minutely described and explained. These official preparations, the manufacture of which requires a knowledge of Chemistry, as well as the Alkaloids and Volatile oils are taken up in detail and studied.

**Third Year:** Lectures and Recitations, 4 hours per week.

Laboratory, 5 hours per week.

PROF. GRASSER AND ASSISTANTS.

Advanced Prescription and Dispensing work:

Lectures and Laboratory, 3 hours per week.

PROF. GRASSER AND ASSISTANTS.

**5. Commercial Pharmacy.** During the past few years important changes have been made in the calling of Pharmacy, necessitating a better knowledge of its commercial side.

The instruction in Commercial Pharmacy is for the purpose of fitting the student for the proper conduct of the business side of Pharmacy. It includes lectures and practical work regarding buying, selling, the keeping of accounts, care and display of stock, advertising, property, contracts, mortgages, bonds, notes, insurance, banking, checks, and other items that have to be met and dealt with in general drug-store practice.

**Lectures, Second Year:** 1 hour per week.

PROF. EARHART.

## PHYSIOLOGY

**1. General Physiology.** The course in Physiology is designed primarily as a preparation for the subsequent study of Toxicology and as an aid to the student in his work as a pharmacist. The facts are presented in as plain and practical a manner as possible and each lecture is illustrated by suitable demonstrations, charts, and models. The general principles of Physiology and the main organs and systems of the body of interest to the pharmacist are considered. The following topics are treated:

Living matter, the skeleton, joints, the blood circulation, respiration in lungs and tissues, food, the digestive system, digestion, absorption, excretion, by kidney, skin, lungs, etc.; muscles, the skin, the nervous system, special senses, the eye, the ear, etc., common injuries and inflammations, bacteria, disinfection, sterilization, anti-toxins, etc.; common germ infections.

**Lectures, First Year:** 2 hours per week.

PROF. WEILBAECHER.

**ORDER OF STUDIES****FIRST YEAR**

First Semester	Hours Per Week Rec. & Lect.	Hours Per Week Laboratory	Second Semester	Hours Per Week Rec. & Lect.	Hours Per Week Laboratory
Pharmacy .....	4	4	Pharmacy .....	4	4
Chemistry .....	3	4	Chemistry .....	3	4
Botany .....	2	---	Botany .....	2	2
Physiology .....	2	---	Physiology .....	2	---
Arithmetic .....	3	---	Arithmetic .....	3	---
English .....	3	---	English .....	3	---
First Aid .....	1	---			
	—	—		—	—
	18	8		17	10

**SECOND YEAR**

Pharmacy .....	4	5	Pharmacy .....	4	5
Chemistry .....	4	4	Chemistry .....	3	4
Mat. Med. ....	4	---	Mat. Med. ....	4	---
Pharmacognosy ...	2	2	Pharmacognosy ...	2	2
Coml. Pharmacy....	1	---	Coml. Pharmacy....	1	---
Dispensing .....	1	2	Dispensing .....	1	2
Biological Products	1	---	Biological Products	1	---
	—	—		—	—
	17	13		16	13

**THIRD YEAR**

Pharmacy .....	4	4	Pharmacy .....	4	4
Pharmacology ....	3	---	Pharmacology ....	3	---
Pharmacognosy ..	2	2	Pharmacognosy ..	2	2
Pharmaceutical ...			Pharmaceutical ...		
Jurisprudence .....	2	---	Jurisprudence .....	2	---
Dispensing .....	1	2	Dispensing .....	1	2
Mat. Med. ....	2	---	Mat. Med. ....	2	---
Chemistry .....	2	6	Chemistry .....	2	6
Biology .....	---	---	Biology .....	3	4
Bacteriology .....	3	4	Bacteriology .....	---	---
	—	—		—	—
	19	18		19	18

**ROLL OF STUDENTS 1926-27****SENIORS**

ABADIE, DANIEL, Jr.....	Louisiana
ROTH, E. WALSH.....	Louisiana
TAYLOR, MISS GRACE.....	Louisiana

**JUNIORS**

BEAUD, MISS CLOTILDE.....	Louisiana
BERNIUS, CONRAD.....	Louisiana
BLANCHARD, RUDOLPH, Jr.....	Louisiana
BROUSSARD, SISTER MARY IRENE (Order of Mercy).....	Louisiana
BUDGE, AUBREY.....	Louisiana
CARDNO, JOHN.....	Louisiana
CLAUS, MALCOLM.....	Louisiana
DUGAS, CHESTER JOHÑ.....	Louisiana
DUNN, MISS DOROTHY.....	Louisiana
FAZZIO, FRANK.....	Louisiana
FRANCILLO, MISS JEANNE.....	Louisiana
GIROIR, CLARENCE.....	Louisiana
GROSS, REMY.....	Louisiana
LABORDE, PHILIP.....	Louisiana
PEREZ, ALBERT.....	Louisiana
RAGUSA, SAMUEL.....	Louisiana
ROACH, MISS ISABEL.....	Louisiana
ROELING, HENRY.....	Louisiana

**FRESHMEN**

BIUNDO, JOSEPH.....	Louisiana
BURKE, EDWARD.....	Louisiana
CHAMPAGNE, GEORGE.....	Louisiana
CUEVAS, ULYSSES.....	Mississippi
DE GRUY, ALPHONSE.....	Louisiana
DICKINSON, MISS BLANCHE.....	Louisiana
DILL, MISS CLARA.....	Louisiana
HALL, DIEGO.....	Argentina
JACOBS, ERNEST Jr.....	Louisiana
JURGENS, JULIAN.....	Louisiana
LIUZZA, MISS JOSEPHINE.....	Louisiana
MUMFREY, FRANK.....	Louisiana
POURCIAU, HERBY.....	Louisiana
ROBERTSON, HENRY.....	Louisiana
ROMANO, JOSEPH.....	Louisiana
SCLAFANI, MISS ESTHER.....	Louisiana
SEILER, MISS ULA.....	Louisiana
SIBILLE, VICTOR.....	Louisiana
SONNIER, RAYMOND.....	Louisiana
WARNER, VERNILD.....	Louisiana
WEILBAECHER, MISS IMELDA.....	Louisiana

**AWARD OF PRIZES, JUNE, 1926**

The National Drug Clerk Association prize for the session of 1925-26 was awarded to

- A. J. Nobile, for Chemistry;  
E. Ortez, for Materia Medica;  
P. Guilbeau, for Pharmacy.

The I. L. Lyons and Company Gold Medal for the highest general average in all subjects covered in the Senior year was awarded to

Anthony J. Nobile.

**DEGREES CONFERRED, JUNE, 1926**

The Degree of Graduate in Pharmacy was conferred on

- VICTOR ACCARDO  
URBAN ALLEN  
SONNEY ANASTASIO  
GILBERT V. DE GRUY  
FERNAND DEMAREST  
ALPHA DEROUEN  
CLIFFORD GENDRON  
EUGENE GUEDRY  
PRESTON GUILBEAU  
RAYMOND GUILLOTTE  
WARREN HIMEL  
BEVERLY JEANSONNE  
CORNELIUS HERLIHY  
HAROLD KENT  
ALBERT LeBLANC  
SIDNEY LEVET  
LEANDER LORIO  
JOSEPH LUCAS  
URBAN MATHIEU  
EDGAR MAYEUX  
ANTHONY NOBILE  
MURIEL OERTLING  
HENRY ORTEZ  
MILTON PLESSALA  
THERESA REYNES  
ALBERT D. SMITH  
LASTIE VILLIEN















